HITACHI

YS | No. 0023E

CX-250

[E, E (GR)]

CDS-83FCF-04

SERVICE MANUAL

"GR (GREY)" mark are indicated at the bottom of the set. (For E(GR) only)

NOTE : E(GR) DENOTES GREY COLOUR

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CAUTION
DANGER
Invisible laser radiation when open and interlocks failed or defeated. AVOID DIRECT EXPOSURE TO BEAM.

GEFAHR
Unsichtbare Laser-Strahlung wenn Interlock (Blockierung) funktionsuntüchtig oder abgeschaltet. UNMITTELBAREN KONTAKT MIT DEM STRAHL UNBEDIGT VERMEIDEN.

DANGER
Faire très attention aux radiations émises par le faisceau laser invisible au défaillance du verrouillage. NE JAMAIS S'EXPOSER DIRECTEMENT AU FAISCEAU.

VARNING
När apparaten öppnats och skyddsanordningen felar eller satts ur funktion förekommer en osynlig laserstrålning. UNDVIK DIREKT BESTRÅLNING.

ADVARSEL
Når apparatet åbnes og beskyttelsesanordningen ikke virker eller sættes un af funktion, forekommer der usynlig laserstråling. UNDGÅ DIREKTE BESTRÅLING.

ADVARSEL
Når denne delen er apen som følge av at låsen er utkoplet eller ikke fungerer, eksisterer det usynlig laserstråling. UNNGÅ Å BLI UTSATT FOR DIREKTE BESTRÅLING!

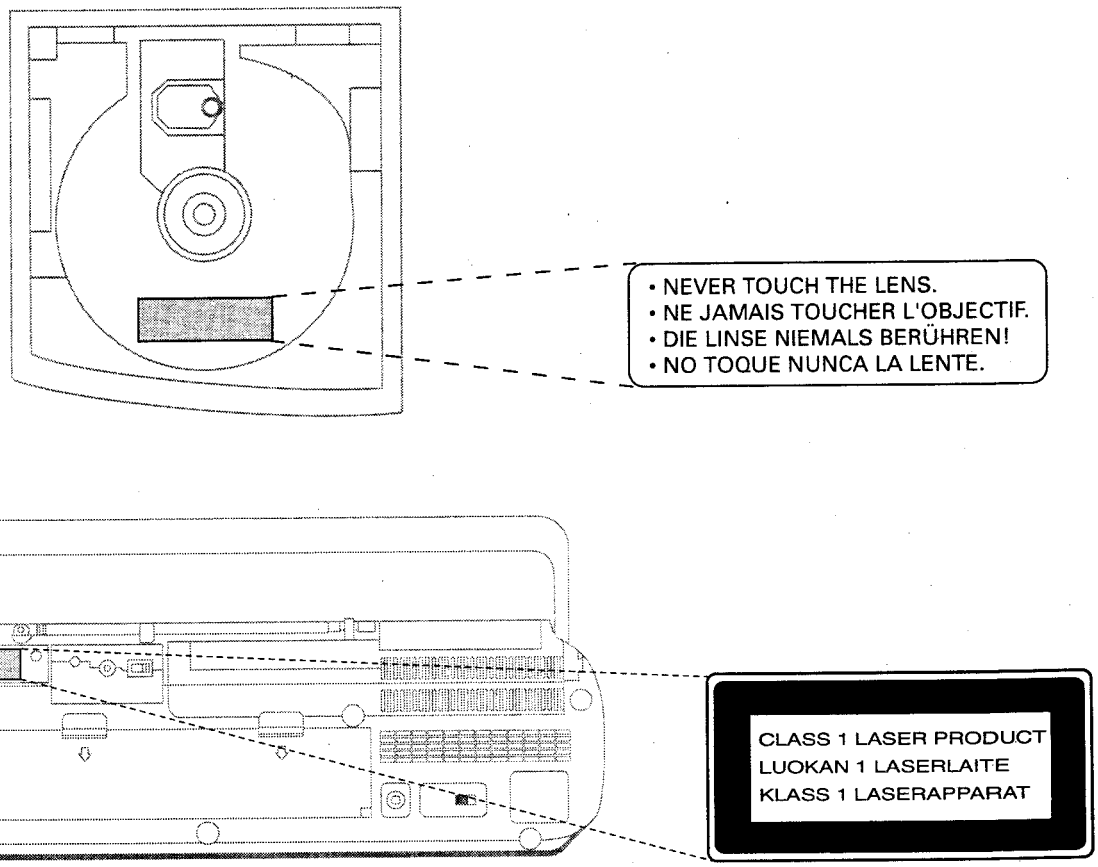
VARIOITS
Laite lähettää näkymätöntä lasersäteilyä, kun se avataan ja kun sisäiset turvalukot eivät toimi. VARO JOUTUMASTA ALTTIIKSI SÄTEILYLLE.

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

CD PLAYER INCORPORATED-
HIGH PERFORMANCE PORTABLE CREATIVE SOUND SYSTEM

HITACHI CONSUMER PRODUCTS (S)

The caution labels on laser usage.


• NEVER TOUCH THE LENS.
• NE JAMAIS TOUCHER L'OBJECTIF.
• DIE LINSE NIEMALS BERÜHREN!
• NO TOQUE NUNCA LA LENTE.
CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

Inside of the set is a laser component emitting a laser radiation over the limit for laser class 1.
In dem Gerät befindet sich eine Laser-Komponente, die eine Laserstrahlung über dem Grenzwert für Laser-Klasse 1 ausstrahlt.
A l'intérieur de l'appareil se trouve un composant à rayonnement laser soumis aux nomes de limitation laser de classe 1.
All'interno dell'unità è presente un componente al laser che emette radiazioni al di sopra del limite per i laser di classe 1.
Binnen in dit apparaat bevindt zich een laseronderdeel dat laserstraalen boven de limiet voor laser klasse 1 uitzendt.
Dentro del aparato hay un elemento de láser que emite radiación láser por encima de limite para la clase 1.
Inuti apparaten finns en laserkomponent som avger laserstrålning över gränsen för laser klass 1.
Indeni apparatet findes en laserkomponent, der giver en lasbestråling, der ligger over grænsen for laser klasse 1.
Dentro do aparelho há um componente laser que emite radiação laser superior ao limite para a classe Laser 1.

SAFETY PRECAUTIONS

The following precautions should be observed when servicing.

1. Since many parts in the unit have special safety-related characteristics, always use genuine Hitachi's replacement parts. Especially critical parts in the power circuit block should not be replaced with other makers. Critical parts are marked with ⚠ in the circuit diagram and printed wiring board.
2. Before returning a repaired unit to the customer, the service technician must thoroughly test the unit to ascertain that it is completely safe to operate without danger of electrical shock.

SPECIFICATIONS

• GENERAL SECTION

Power supply : AC : 230V, 50 Hz
DC : 9V ["D" Cell or IEC R20 or SUM 1 x 6 or equivalent]
Power consumption : 20W
Power output :10W (2W x 2 + 6W x 1) 10% T.H.D DC operation
Speakers : 10 cm x 2, 12 cm x 1
Impedance : 4 ohms
Dimensions : 560 (W) x198 (H) x 248 (D) mm
Weight : 5.3 kg (with batteries)

• TUNER SECTION

Circuit system : FM/MW/LW 3 bands
Tuning range : FM : 87.5 -108 MHz
MW : 522 - 1620 kHz
LW : 150 -285 kHz
Sensitivity : FM : 8μV
MW : 1000 μ V/m
LW : 2500 μV/m
Antennas : FM : Telescopic antenna (aerial)
MW/LW : Built-in ferrite-core antenna (aerial)

• TAPE DECK SECTION

Tape : Compact cassette
Track system : 4 tracks stereo
Tape speed : 4.75 cm/s
Recording system and Bias frequency : AC bias, 85 kHz
Erasing system : AC erase
Frequency Response: NORMAL : 70 - 12,000 Hz
Input sensitivity and Impedance : MIX MIC : 3 mV, 10 Kohms
Load Impedance : Headphones : 8 to 100 ohms

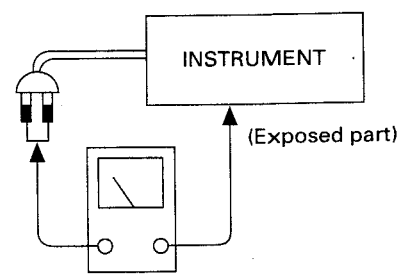
• CD PLAYER SECTION

Playing time : Approx. 60 minutes/one side
Diameter : 120 mm/80 mm
Sampling Frequency : 44.1 kHz
Quantization Number: 16 bit linear/channel
Frequency Response : 20 - 20,000 Hz

* Specifications are subject to change without notice for performance improvement.

Check that exposed parts are acceptably insulated from the supply circuit before returning the instrument repaired to the customer.

- **CHECKING METHOD**
  Measure the resistance value between the both poles of attachment cup (Power supply plug) and the exposed parts (Parts such as Knob, Cover, etc. where the customer is easy to touch.) and check that the resistance value is 500 kohms or more.



Insulation tester (DC 500V)

MAINTENANCE

■ **Clean cabinet and panels when dirty**
Clean off dirt on the surfaces with a dry cloth. Never use thinners, benzene or alcohol since these will damage the surface finish.

DISASSEMBLY

1. Removing the Top Case

Pull up the rod antenna, remove the three screws ②, open the casstte lid, and raise the top case to remove. (Fig. 1)

2. Removing the Front Case

Remove the six screws ①. Then, remove the front case a little bit in the arrow direction and disconnect the connector Ⓐ and Ⓙ. (Fig. 1, 6, 7)

3. Removing the CD lid

Push the CD lid to open it. Release the hook from the CD lid hole using the flat-bladed screwdriver while pressing the CD lid in the direction of the arrow. Release the hook on the other side in the same way. Then, press the hinge in direction A to remove the CD lid. (Fig. 2)

4. Removing the Casstte lid

Open the casstte lid. Press both sides in the direction of the arrow and remove it in direction B. (Fig. 3)

5. Removing the Handle

Raise the handle, disengage the right and left hooks by screwdriver, etc, and while throwing the handle in the arrow C direction, remove it in the arrow D direction. (Fig. 4)

6. Removing the CD PWB and CD DISPLAY PWB

Disconnect the connectors Ⓑ,Ⓒ,Ⓓ,Ⓕ,Ⓖ,Ⓗ,Ⓘ and Ⓚ. Remove Unit mecha followed by the four screws ③, four screws ④ and finally remove the CD PWB and CD Display PWB. (Fig. 5,6,7)

7. Removing the Cassette Chassis

Remove the four screws ⑤ and disconnect connector Ⓔ.(Fig. 5,6)

8. Removing the M PWB

Remove the four screws ⑥. (Fig. 5)

9. Removing the P PWB

Remove the two screws ⑨ and connector Ⓛ. (Fig. 7)

10. Removing the REC Lever

Remove the two screws ⑧. (Fig. 8)

11. Removing the Speakers and Sensor PWB

Remove the front case and then remove the four screws ⑩ from each respective speakers. (Fig. 9). Remove one screw ⑪. (Fig 10)

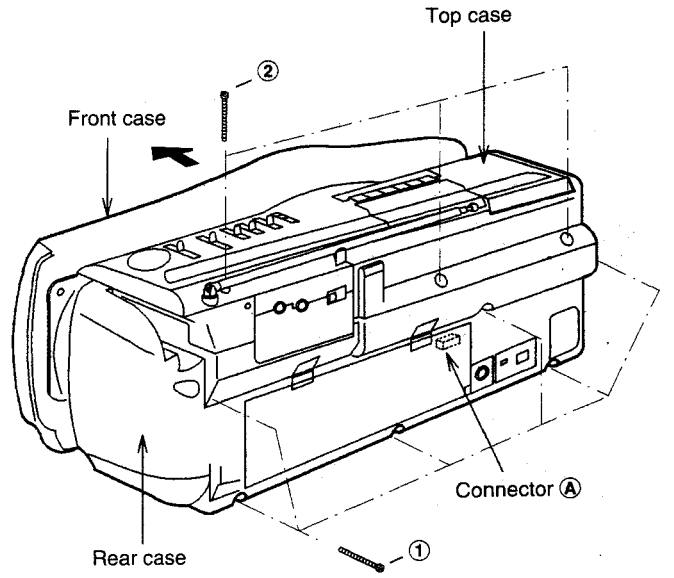


Fig. 1

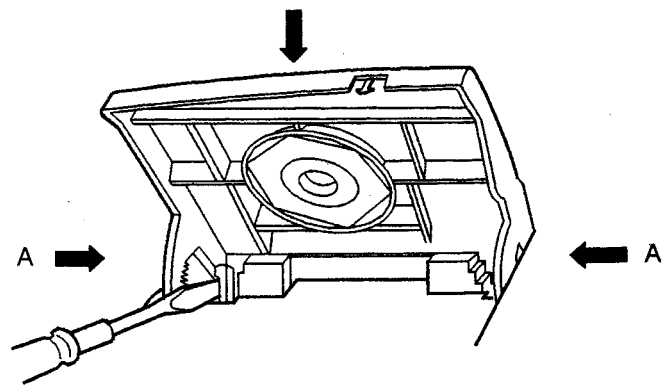


Fig. 2

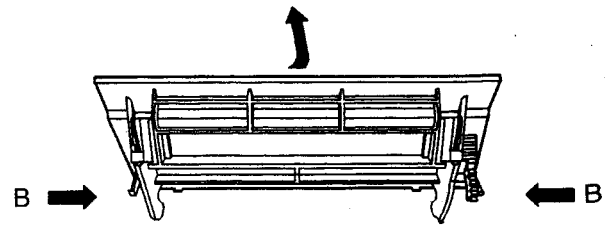


Fig. 3

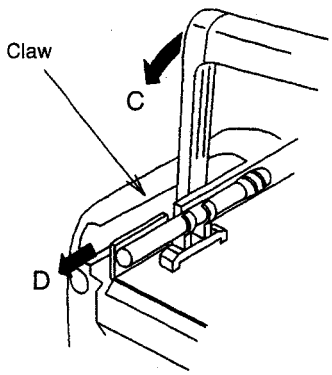


Fig. 4

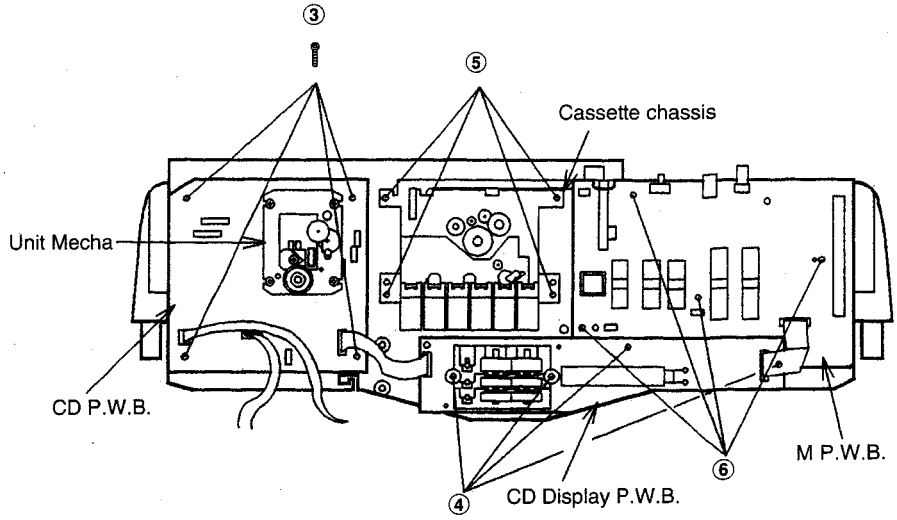


Fig. 5

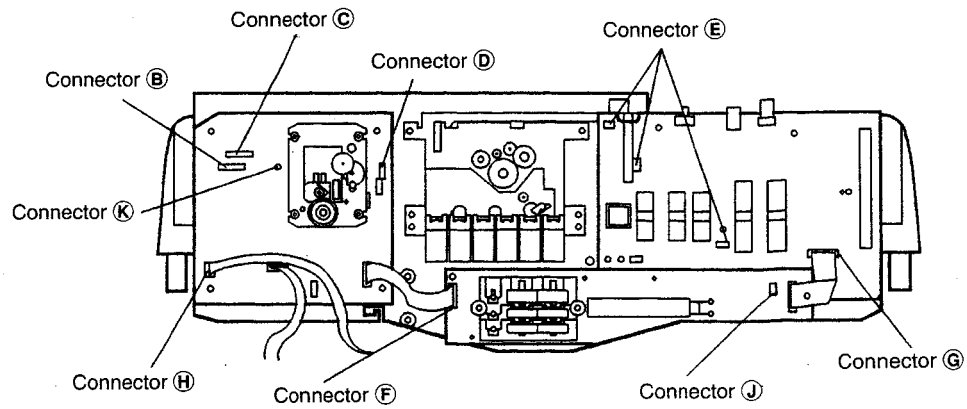


Fig. 6

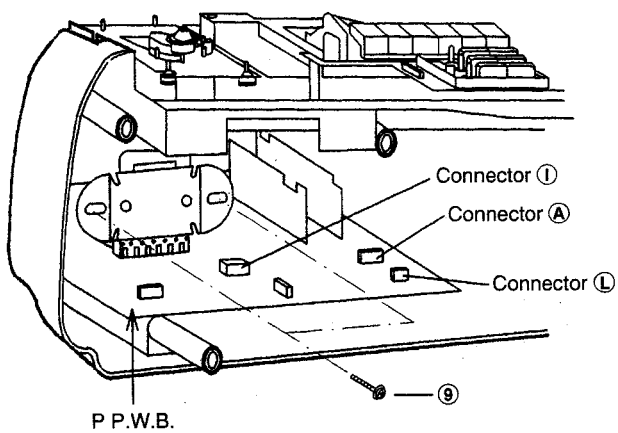


Fig. 7

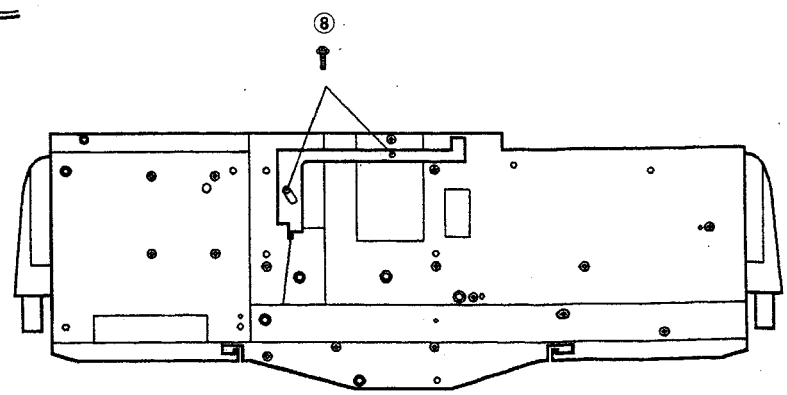


Fig. 8

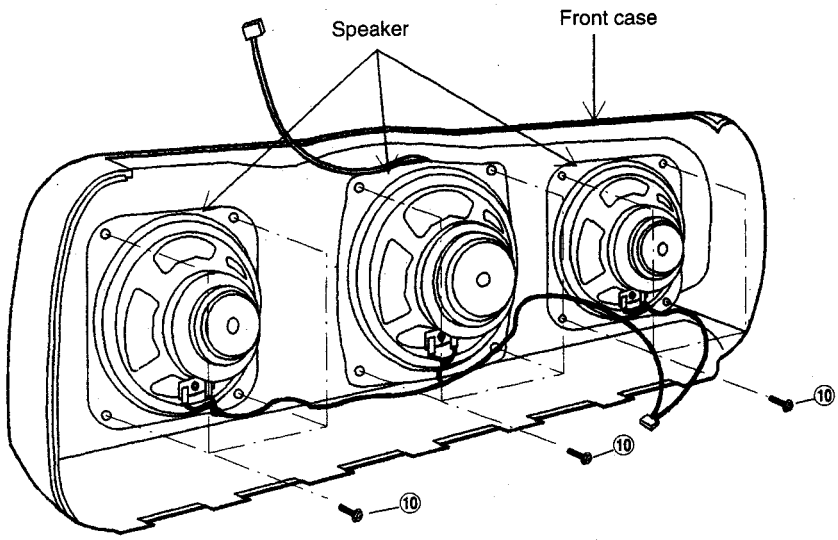


Fig. 9

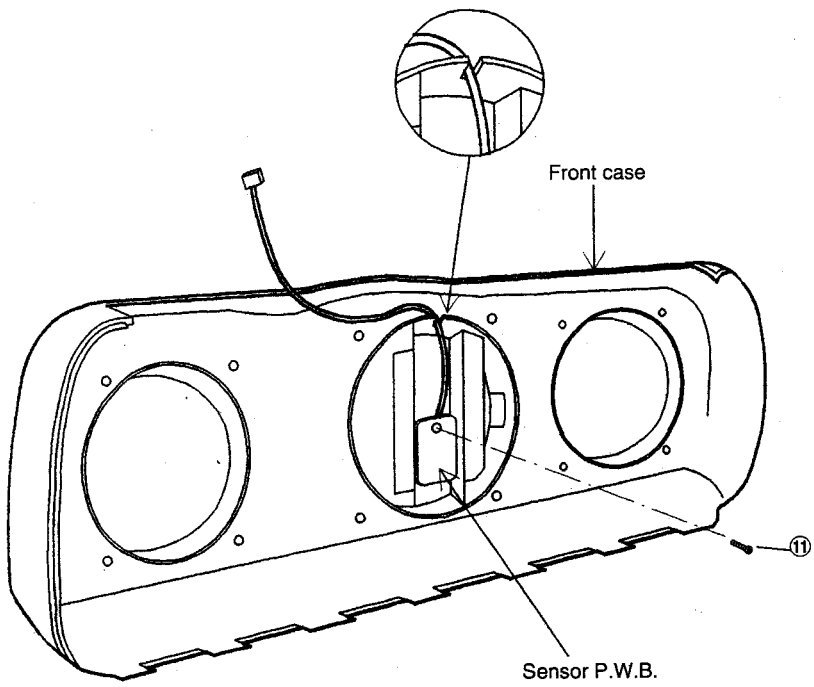


Fig. 10

LUBRICATION

Apply one or two drops of pan motor oil or sonic slider oil to rotating parts. Coat sliding parts with Molycoat (EL - 10M).
Lubricate once a year or every 1,000 hours of operation.
Do not let oil contact belts or idlers.

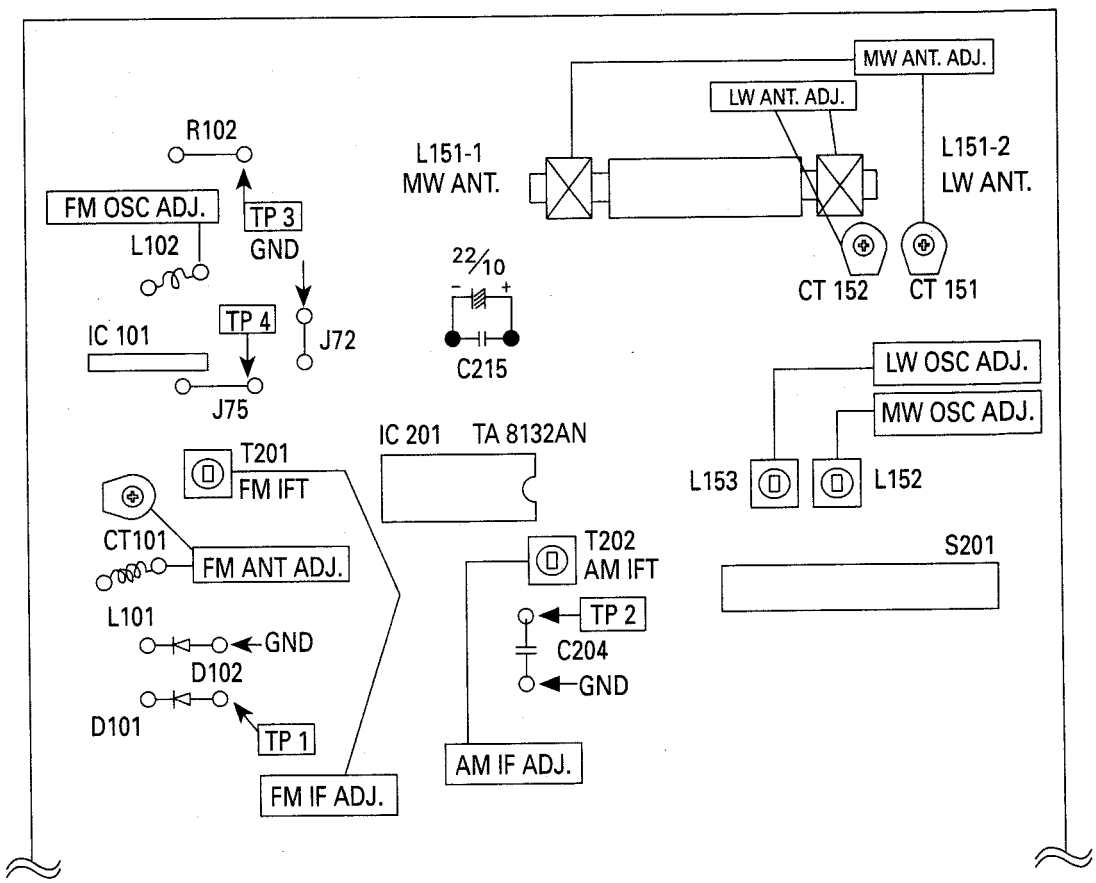
Rotating parts	Metal to metal	Pan motor oil (10W-40)
	Plastics to metal	Sonic slider oil (#1600)
Sliding parts	(Note) Plastics to plastics Plastics to Metal	Molycoat (EL-10M)
Spring vibration prevention		Flyol (GB-TS-1)

Note:
When front frame and slide knob are replaced, coat both contacting parts lightly with white grease.

ADJUSTMENTS

1. Radio Section

• Adjustment points



FM Section

Step		Adjustment Item	Measuring Instrument and Connection			Genescope or Signal Generator Frequency	Frequency of Tuner display	Adjust	Reading
			Measuring Instrument	Input Terminal	Output Terminal				
1	(1)	FM IF	• Genescope (10.7MHz)	TP 4	TP 2	10.7 MHz	Highest	T201	(Note 4)
2	(1)	FM OSC (Covering)	DC Volt meter		TP 3		87.5 MHz	L102	1.5V
3	(1)	FM ANT. (Tracking)	• FM signal generator (400 Hz, 30% dev.) • Oscilloscope • VTVM	TP1 (through FM dummy antenna) Note 3	TP 2	90 MHz	90 MHz	L101	Max.
	(2)					106 MHz	106 MHz	CT 101	
	(3)					Repeat steps (1) and (2)			

AM Section

AM Section (FM/MW/LW 3 bands)

Step		Adjustment Item	Measuring Instrument and Connection			Genescope or Signal Generator Frequency	Frequency of Tuner display	Adjust	Reading
			Measuring Instrument	Input Terminal	Output Terminal				
1	(1)	AM IF	• Genescope (450 kHz) (450 kHz)	Ferrite antenna (Note 2)	TP. 2	450 kHz	Highest	T202	(Note 1)
2	(1)	MW OSC. (Covering)	DC Volt meter	–	TP. 3	–	522 kHz	L152	0.8V
3	(1)	MW ANT. (Tracking)	• AM signal generator (400 Hz, 30% mod.) • VTVM • Oscilloscope	Ferrite antenna (Note 2)	TP. 2	612 kHz	612 kHz	L151-1	Max.
	(2)					1,404 kHz	1,404 kHz	CT151	
	(3)					Repeat steps (1) and (2)			
4	(1)	LW OSC. (Covering)	DC Volt meter	–	TP. 3	–	150 kHz	L153	0.8V
5	(1)	LW ANT. (Tracking)	• AM signal generator (400 Hz, 30% mod.) • VTVM • Oscilloscope	Ferrite antenna (Note 2)	TP. 2	164 kHz	164 kHz	L151-2	Max.
	(2)					272 kHz	272 kHz	CT152	
	(3)					Repeat steps (1) and (2)			

Note

1. Connect 22μF Capacitor parallel to C215. Feed in a weak signal from the genescope. Adjust T202 for maximum gain and the waveform of Fig. 11. After adjust, remove 22μF Capacitor.

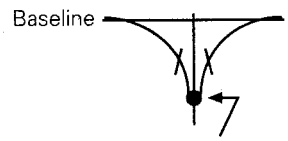


Fig. 11

Adjust the genescope output so that there is a little noise riding on the leading edge.

2. Connect AM signal generator to the loop antenna, bring near to the ferrite-core antenna.
3. FM dummy antenna is shown in Fig. 12.

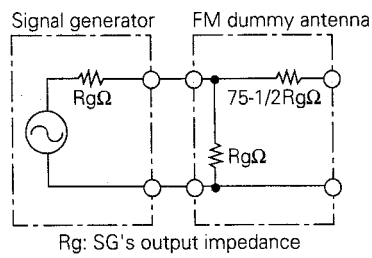


Fig. 12

4. Use the T201 core to form the S-curve shown in Fig. 13. Adjust the symmetry of AB about point C for linearity.

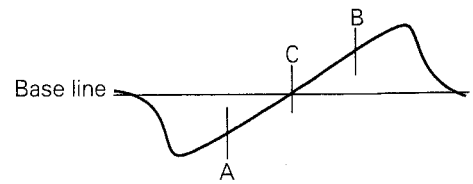


Fig. 13

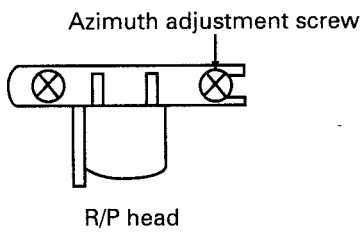
2. Tape Recorder Section

Perform the following adjustments in the sequence stated after cleaning the head, pressure roller, and capstan with a head cleaning stick moistened in alcohol.

Step	Adjustment Item	Measuring Instrument and Connection			Check Tape	Mode	Adjusted Position	Adjusted Value	Remarks
		Measuring Instrument	Input Terminal	Output Terminal					
1	Tape speed	• Frequency counter	Tape Playback	Speaker terminal (4Ω load)	Tape speed adjustment tape (3 kHz)	Playback	Reverse side of deck motor Fig. 14	3 kHz ±30Hz	Note 1
2	Head azimuth	• VTVM	Tape Playback	Speaker terminal (4Ω load)	Head azimuth adjustment tape (10kHz)	Playback	Azimuth adjusting screw	Output max.	Note 2

Note

1. Adjust within 30 seconds after heat-running for more than 20 minutes.
2. Allowance should be within -3dB from maximum value.



Difference between L and R	≤ 3dB

Remarks :
When changing the motor, you must also change the motor pulley. (Refer to Fig. 15)

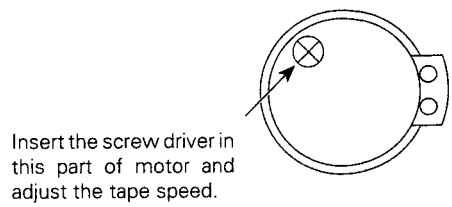


Fig. 14

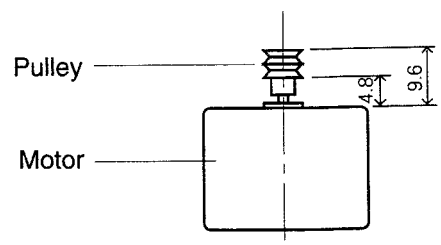


Fig. 15

INSPECTION OF MECHANISM

No.	Inspection item	Reference value	Remarks
1	Playback torque	30 to 60 g.cm	
2	FF/REW torque	55 to 140 g.cm	
3	Supply back-tension	1.0 to 5.0 g.cm	
4	Tape drive force	Over 80 g	

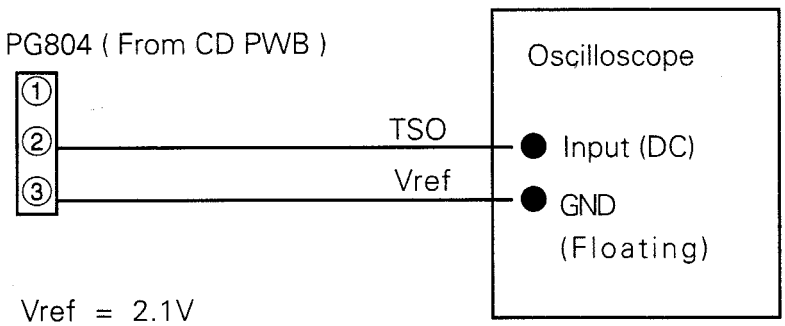
3. CD Player Section

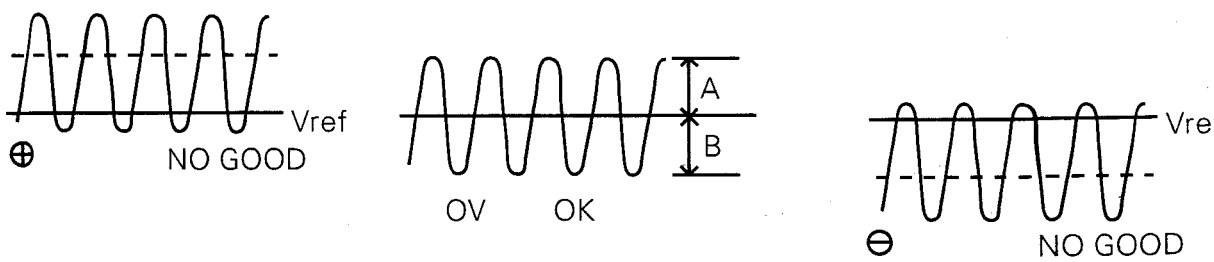
Invisible laser radiation from object lens of pickup, while S801 is turned on. Avoid direct exposure to beam.

• Adjustment points

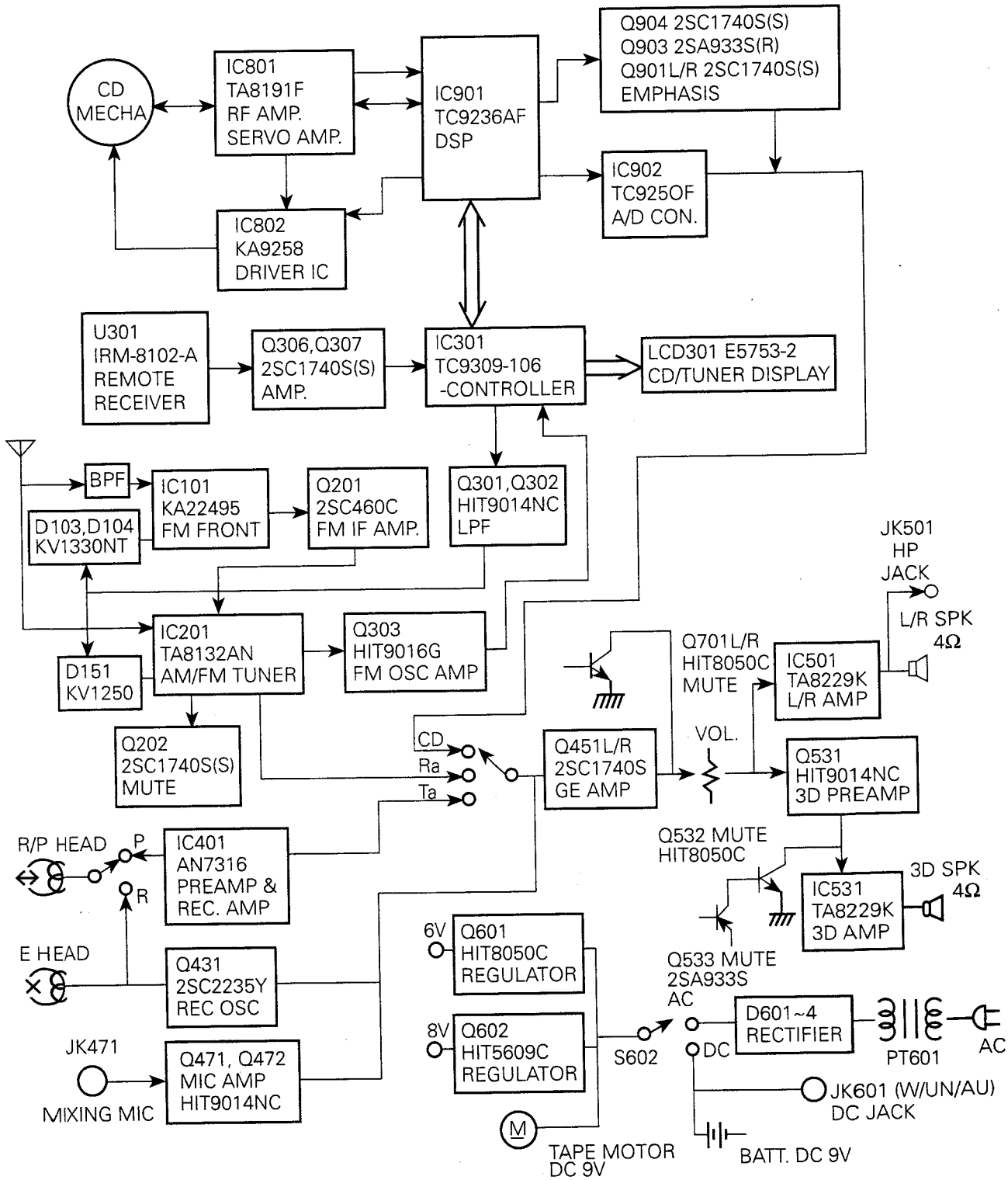
Tracking Error Balance (TEB) Adjustment method

(a) Scope : volt/ div = 20mV , time/div = 1 ms.
(b) Set scope to GND position and adjust trace poistion = OV.
(c) Set scope to DC position.
(d) Set the S801 on, that is CD door is closed.
(e) Set the CD section to be in pause condition at the lead track No.1
(f) Playback TNO.3 of SCD-2415 or PTD 9002
(g) Press FF or SEACRH.
(h) While FF or SEARCH is depressed,
Adjust RT802(100K) to make A = B as illustrated.
(The waveform is to become symetrical with respect to "O" point.)





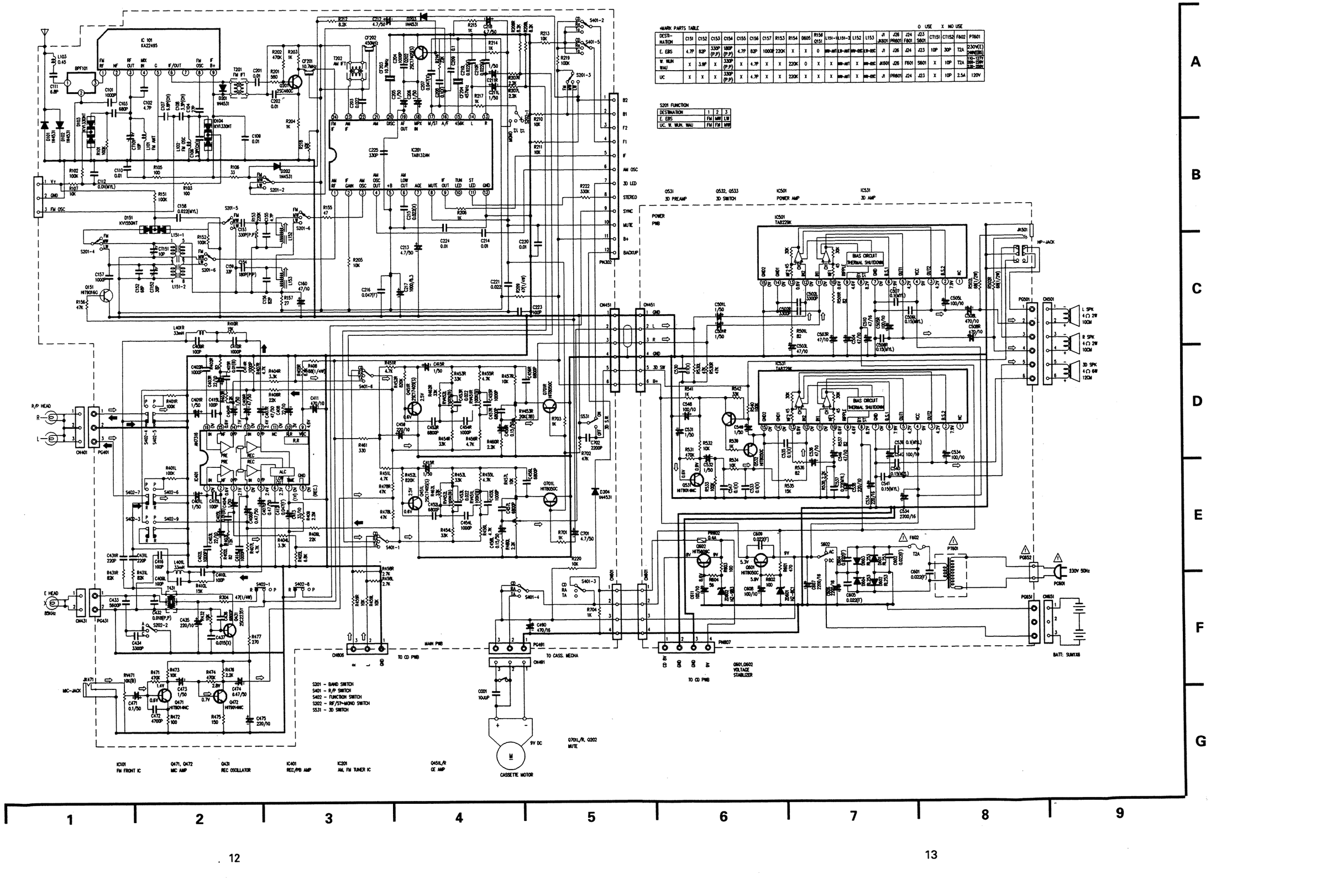
BLOCK DIAGRAM



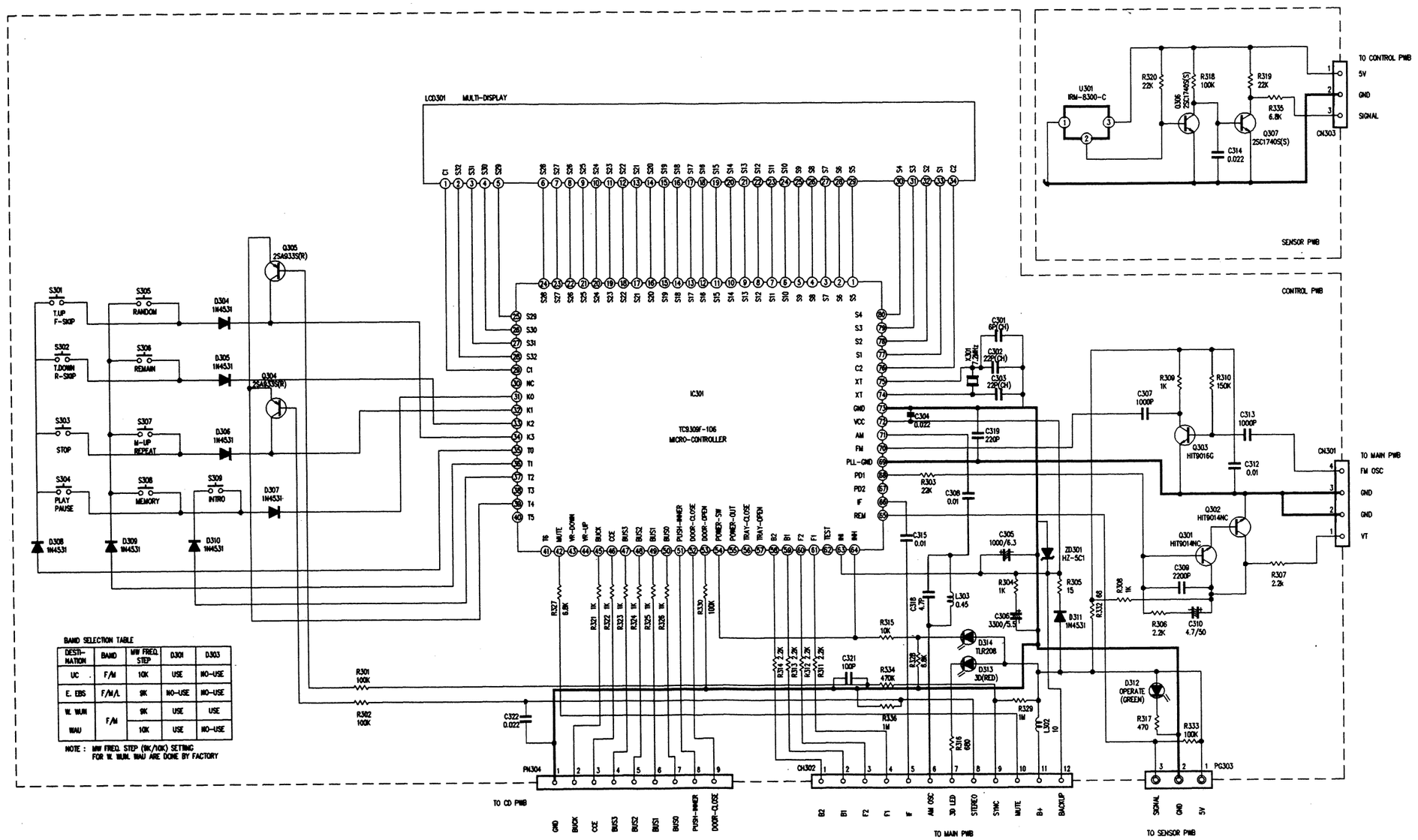
CX-250

MEMO

CIRCUIT DIAGRAM (TUNER/AUDIO/POWER SECTION)


*MARK PARTS TABLE
O USE X NO USE
DESTINATION | C151 | C152 | C153 | C154 | C155 | C156 | C157 | R153 | R154 | D605 | R156 Q151 | L151-1 | L151-2 | L152 | L153 | J1 JK501 | J26 PR601 | J24 F601 | J23 S601 | CT151 | CT152 | F602 | PT601
E. EBS | 4.7P | 82P | 330P (P.P) | 180P (P.P) | 4.7P | 82P | 1000P | 220K | X | X | 0 | MW-ANT | LW-ANT | MW-OSC | LW-OSC | J1 | J26 | J24 | J23 | 10P | 30P | T2A | 230V(E) 240V(GB)
W. WUN WAU | X | 3.9P | X | 330P (P.P) | X | 4.7P | X | X | 220K | 0 | X | X | MW-ANT | X | MW-OSC | JK501 | J26 | F601 | S601 | X | 10P | T2A | 110-127V 200-220V 220-230V
UC | X | X | X | 330P (P.P) | X | 4.7P | X | X | 220K | X | X | X | MW-ANT | X | MW-OSC | J1 | PR601 | J24 | J23 | X | 10P | 2.5A | 120V
S201 FUNCTION
DESTINATION | 1 | 2 | 3
E. EBS | FM | MW | LW
UC. W. WUN. WAU | FM | FW | MW
Q531 3D PREAMP
Q532, Q533 3D SWITCH
IC501 POWER AMP
IC531 3D AMP
POWER PWB
IC501 TA8229K
IC531 TA8229K
BIAS CIRCUIT THERMAL SHUTDOWN
HP-JACK
L SPK 4Ω 2W 100M
R SPK 4Ω 2W 100M
3D SPK 4Ω 6W 120M
230V 50Hz
BATT: SUM1X6
IC101 FM FRONT IC
Q471, Q472 MIC AMP
Q431 REC OSCILLATOR
IC401 REC/PB AMP
IC201 AM, FM TUNER IC
045IL/R CE AMP
S201 - BAND SWITCH
S401 - R/P SWITCH
S402 - FUNCTION SWITCH
S202 - RF/ST-MONO SWITCH
S531 - 3D SWITCH
TO CD PWB
TO CASS. MECHA
TO CD PWB
Q601,Q602 VOLTAGE STABILIZER
9V DC
Q701L/R, Q202 MUTE
CASSETTE MOTOR
MAIN PWB
R/P HEAD
E HEAD
MIC-JACK
A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9

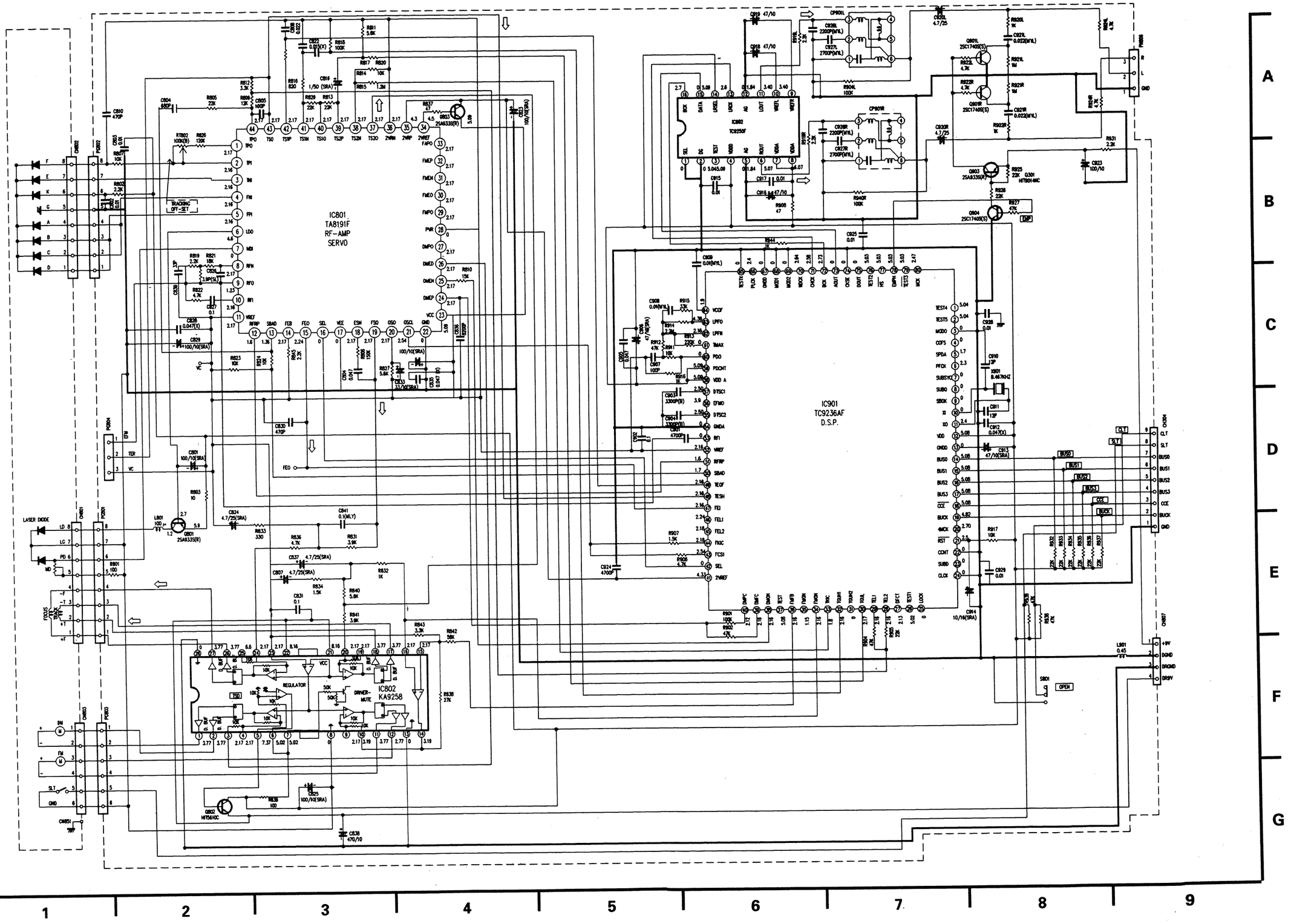
CIRCUIT DIAGRAM (CD/TUNER CONTROL)



A B C D E F G

1 2 3 4 5 6 7 8 9

CIRCUIT DIAGRAM (CD SECTION)



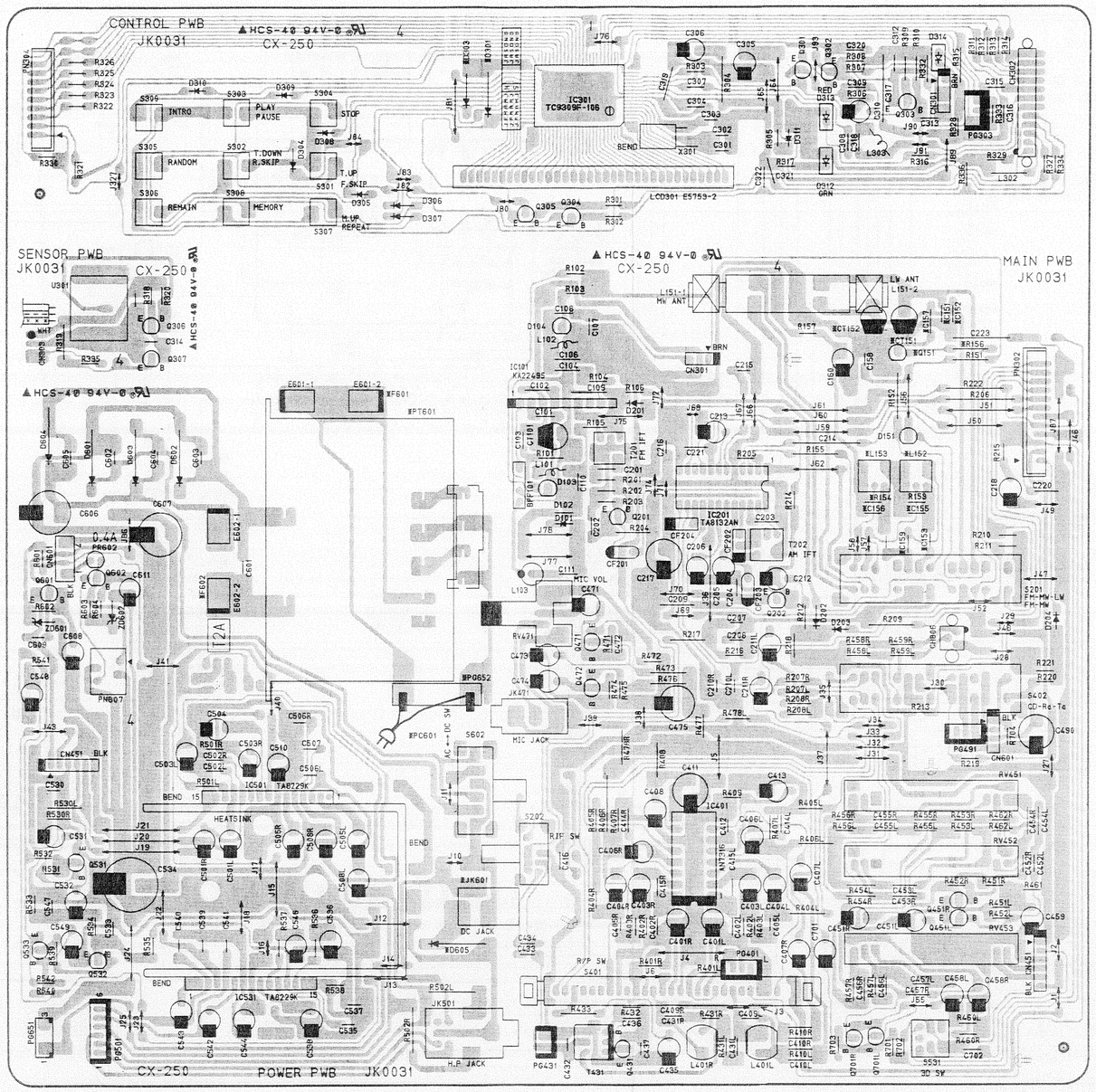
PRINTED WIRING BOARD

CONTROL P.W.B.

SENSOR P.W.B.

POWER P.W.B.

MAIN P.W.B.



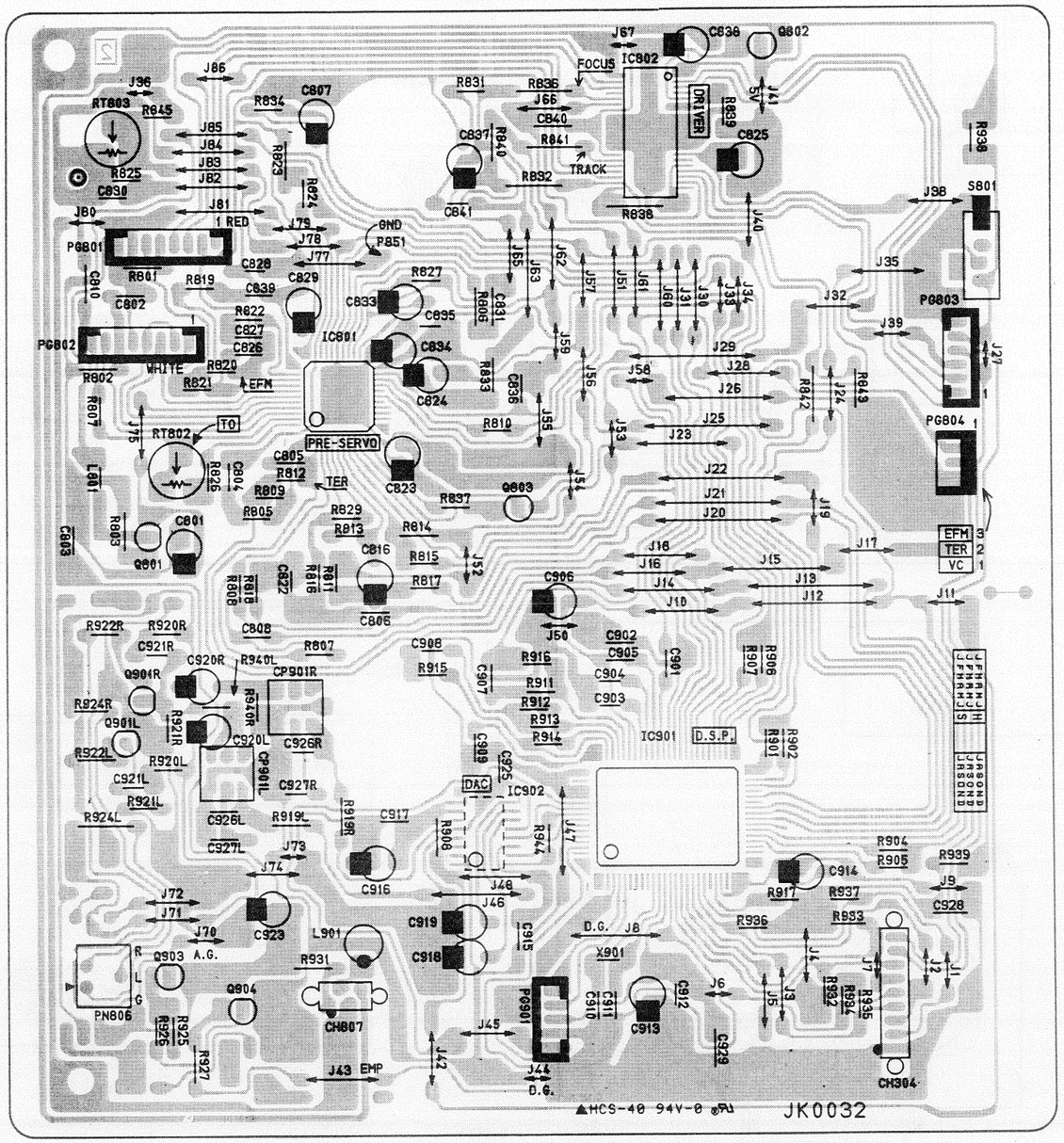
Q602	Q306	IC501	IC301	IC201	Q202	Q301	Q451R	
Q601	Q307	IC531	Q305	IC401		Q302	Q451L	
Q531			Q304			Q303		
Q533			IC101			Q151		
Q532			Q201			Q701R		
			Q471			Q701L		
			Q472					
			Q431					

A B C D E F G

1 2 3 4 5 6 7 8 9

PRINTED WIRING BOARD

CD P.W.B.



Q801
Q901R
Q901L
Q903

Q904

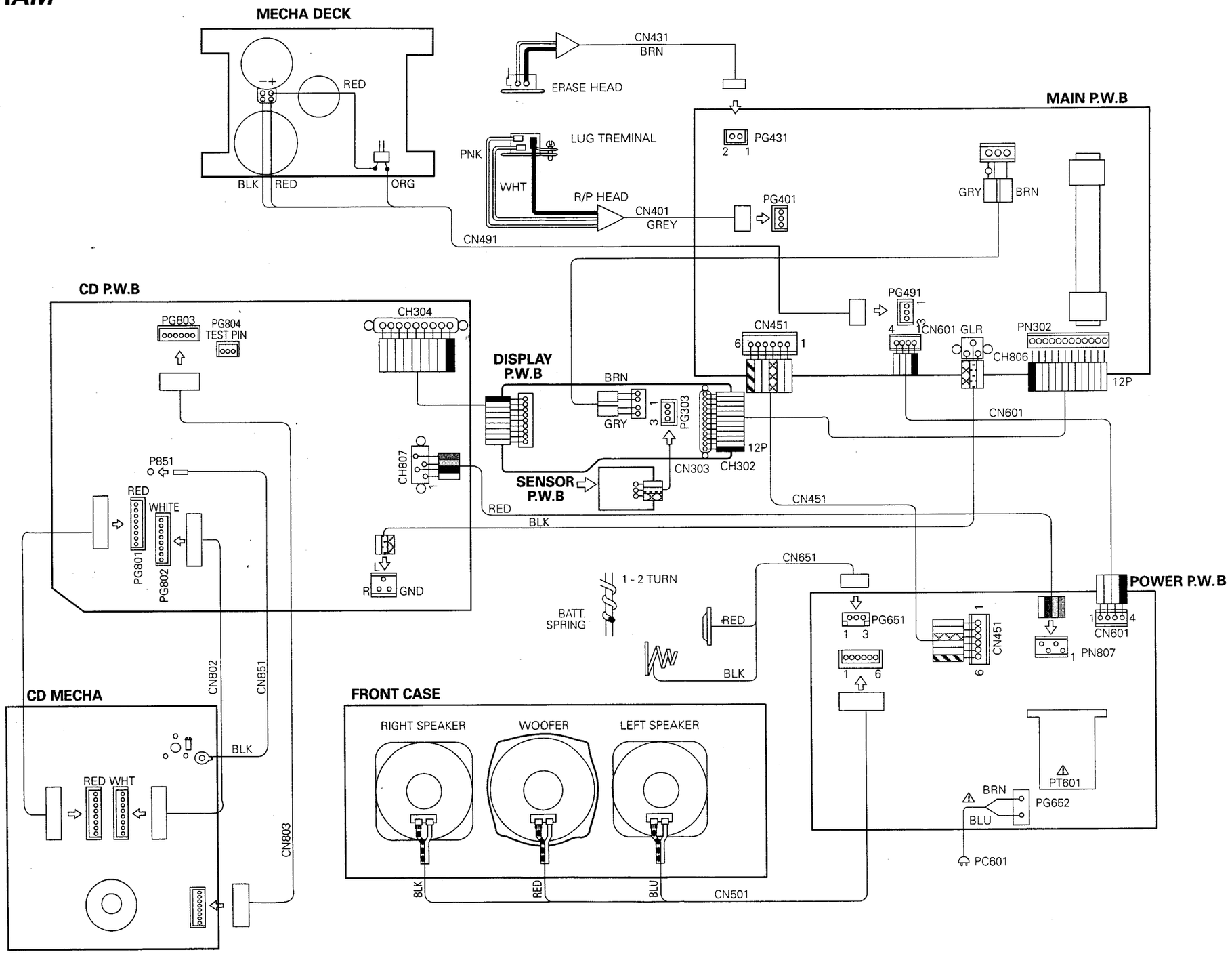
IC801

Q803
IC902

IC802
IC901

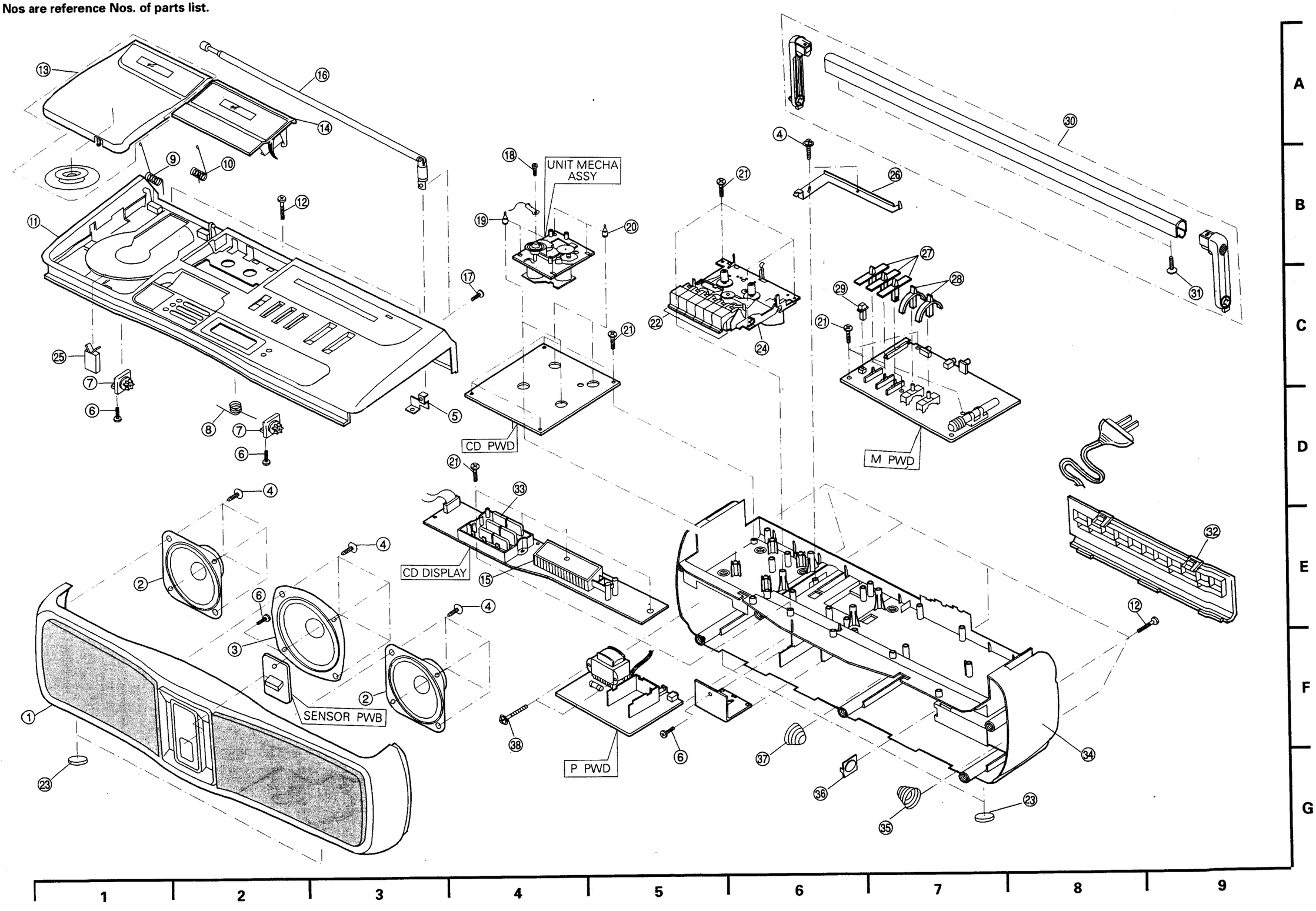
Q802

WIRING DIAGRAM



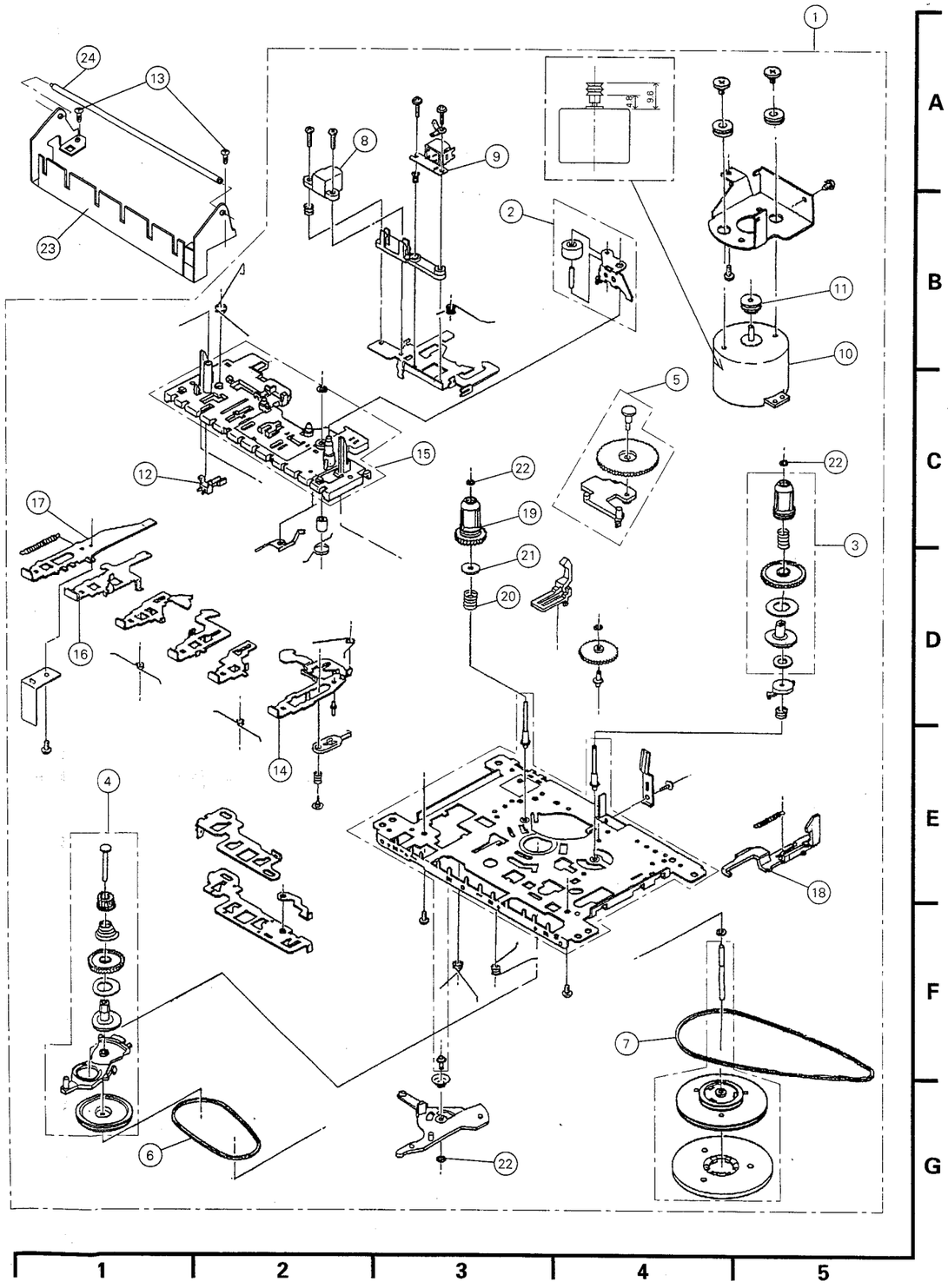
EXPLODED VIEW (CABINET)

• Nos are reference Nos. of parts list.



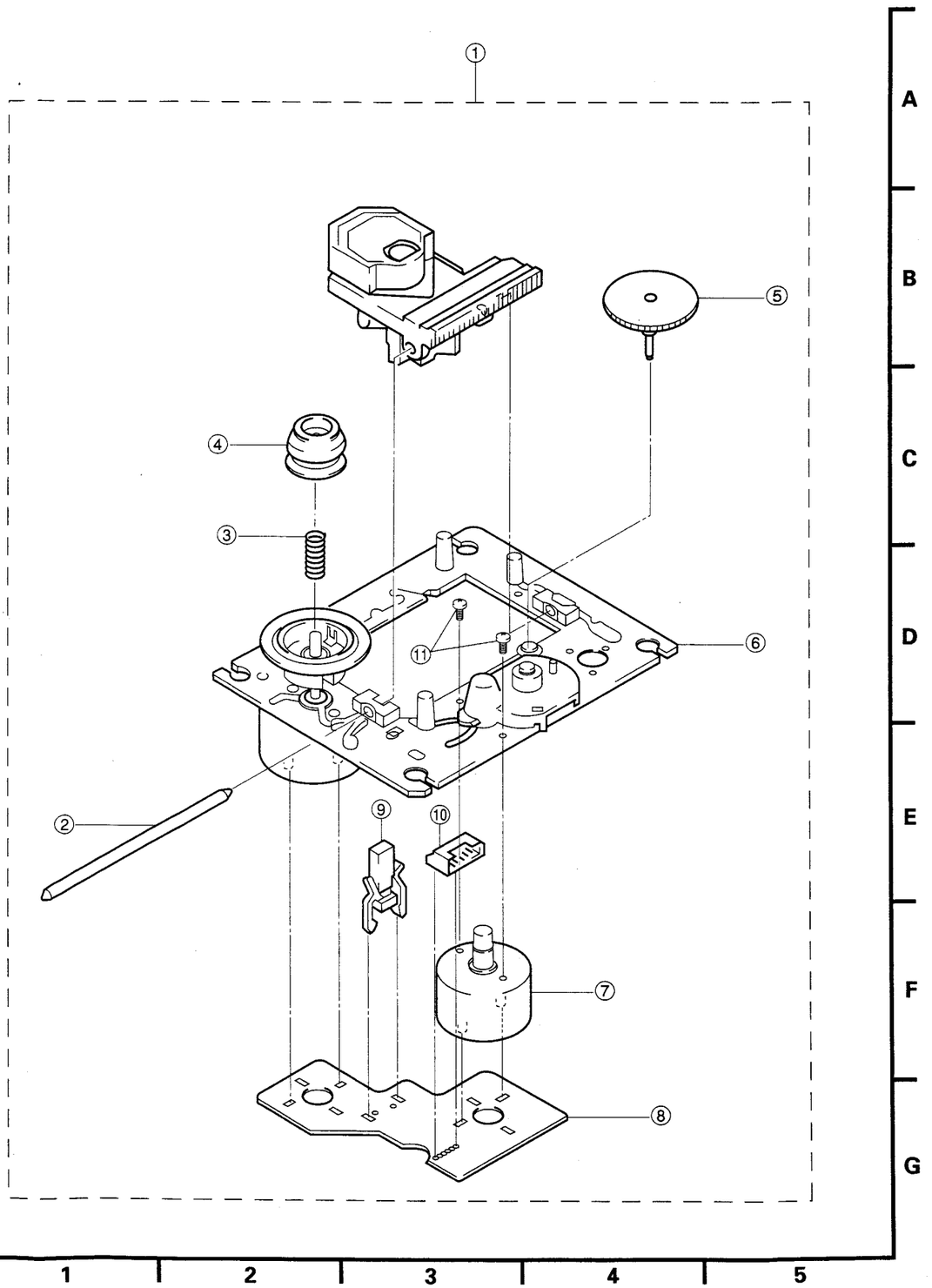
EXPLODED VIEW (Cassette Chassis CDS-83FCF-04)

• Nos are reference Nos. of parts list.



EXPLODED VIEW (CD Mecha Chassis)

• Nos are reference Nos. of parts list.



REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE: Components marked with a ⚠ have special charateristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the reciever through improper servicing.

ABBREVIATIONS

Capacitors ..... CC: Cylindrical ceramic, CD: Ceramic disk, PF: Polyester film, EL: Electrolytic, PP: Polypropylene.

Resistors ..... CF: Carbon film, CC: Carbon composition, MF: Metal oxide film, VR: Variable resistor.

Semiconductor ..... TR: Transistor, DI: Diode, ZD: Zener diode VA: Varistor, TH: Thermistor, IC:IC.

SYMBOL NO.	PART NO.	DESCRIPTION
		CAPACITORS:
BPF101	2137193	BAND PASS FILTER
C101	0890035	CC 1000PF ±10% 50V
C102	0890005	CC 4.7PF ±10% 50V
C103	0890033	CC 680PF ±10% 50V
C104	0890014	CC 27PF ±5% 50V
C106	0230646	CC 3.3PF ±10% 50V
C107	0230650	CC 6.8PF ±10% 50V
C108	0230646	CC 3.3PF ±10% 50V
C109	0890043	CC 0.01µF ±20% 16V
C110	0890043	CC 0.01µF ±20% 16V
C111	0890006	CC 6.8PF ±10% 50V
C112	0880009	PF 0.01µF ±10% 50V
C152	0890019	CC 68PF ±5% 50V
C153	0279335	PP 330PF ±5% 100V
C154	0279343	PP 180PF ±5% 100V
C155	0890005	CC 4.7PF ±10% 50V
C156	0890021	CC 82PF ±10% 50V
C157	0890035	CC 1000PF ±10% 50V
C158	0880012	PF 0.022µF ±10% 50V
C159	0890015	CC 33PF ±5% 50V
C160	0800039	EL 47µF 10V
C201	0890043	CC 0.01µF ±20% 16V
C202	0890043	CC 0.01µF ±20% 16V
C203	0890044	CC 0.022µF +80-20% 25V
C204	0890035	CC 1000PF ±10% 50V
C205	0800003	EL 1µF 50V
C206	0800003	EL 1µF 50V
C207	0240220	CD 0.047µF ±10% 25V
C208	0240224	CD 0.1µF ±10% 25V
C209	0240068	CC 0.1µF +80-20% 50V
C210L,R	0240216	CD 0.022µF ±10% 25V
C211L,R	0800003	EL 1µF 50V
C212	0800012	EL 4.7µF 50V
C213	0800012	EL 4.7µF 50V
C214	0890043	CC 0.01µF ±20% 16V
C215	0240216	CD 0.022µF ±10% 25V
C216	0890103	CD 0.047µF +80-20% 12V
C217	0800079	EL 1000µF 6.3V
C218	0800012	EL 4.7µF 50V
C220	0890043	CC 0.01µF ±20% 16V
C221	0890044	CC 0.022µF +80-20% 25V
C223	0890022	CC 100PF ±10% 50V
C224	0890043	CC 0.01µF ±20% 16V
C225	0890028	CC 330PF ±10% 50V
C301	0890109	CD 6PF ±0.5PF 50V
C302	0890118	CD 22PF ±5% 50V
C303	0890118	CD 22PF ±5% 50V
C304	0890044	CC 0.022µF +80-20% 25V
C305	0800079	EL 1000µF 6.3V
C306	0284581	EL 3300µF +50-10% 5.5V
C307	0890035	CC 1000PF ±10% 50V
C308	0890043	CC 0.01µF ±20% 16V
C309	0890037	CC 2200PF ±20% 16V
C310	0800012	EL 4.7µF 50V
C312	0890043	CC 0.01µF ±20% 16V
C313	0890035	CC 1000PF ±10% 50V
C314	0890044	CC 0.022µF +80-20% 25V
C315	0890043	CC 0.01µF ±20% 16V
C318	0890005	CC 4.7PF ±10% 50V
C319	0890026	CC 220PF ±10% 50V
C321	0890022	CC 100PF ±10% 50V
C322	0890044	CC 0.022µF +80-20% 25V
C401L,R	0800003	EL 1µF 50V
C402L,R	0890035	CC 1000PF ±10% 50V
C403L,R	0800022	EL 22µF 10V
C404L,R	0800003	EL 1µF 50V
C405L,R	0890101	CD 0.01µF ±10% 16V
C406L,R	0800001	EL 0.47µF 50V
C407L,R	0800001	EL 0.47µF 50V
C408	0800022	EL 22µF 10V
C409L,R	0890022	CC 100PF ±10% 50V
C410L,R	0890035	CC 1000PF ±10% 50V
C411	0800073	EL 470µF 10V
C412	0890103	CD 0.047µF +80-20% 12V
C413	0800031	EL 33µF 10V
C414L,R	0890035	CC 1000PF ±10% 50V
C415L,R	0890022	CC 100PF ±10% 50V
C416	0890022	CC 100PF ±10% 50V
C431L,R	0890026	CC 220PF ±10% 50V
C432	0262721	PP 0.018µF ±5% 100V
C433	0240058	CC 5600PF ±20% 16V
C434	0890038	CC 3300PF ±20% 16V
C435	0800057	EL 220µF 10V
C436	0890041	CC 6800PF ±20% 16V
C437	0240214	CD 0.015µF ±10% 25V
C451L,R	0800003	EL 1µF 50V
C452L,R	0890041	CC 6800PF ±20% 16V
C453L,R	0890044	CC 0.022µF +80-20% 25V
C454L,R	0890035	CC 1000PF ±10% 50V
C455L,R	0890035	CC 1000PF ±10% 50V
C456L,R	0890041	CC 6800PF ±20% 16V
C457L,R	0890041	CC 6800PF ±20% 16V
C458L,R	0253941	EL 0.15µF 50V
C459	0800057	EL 220µF 10V
C471	0253940	EL 0.1µF 50V
C472	0890039	CC 4700PF ±20% 16V
C473	0800003	EL 1µF 50V

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SYMBOL NO.	PART NO.	DESCRIPTION			
C474	0800001	EL	0.47μF		50V
C475	0800057	EL	220μF		10V
C490	0800074	EL	470μF		16V
C501L,R	0800003	EL	1μF		50V
C502L,R	0890038	CC	3300PF	±20%	16V
C503L,R	0800039	EL	47μF		10V
C504	0800039	EL	47μF		10V
C505L,R	0800048	EL	100μF		10V
C506L,R	0880017	PF	0.15μF	±10%	50V
C507	0880016	PF	0.1μF	±10%	50V
C508L,R	0800073	EL	470μF		10V
C510	0800041	EL	47μF		16V
C530	0240224	CD	0.1μF	±10%	25V
C531	0800003	EL	1μF		50V
C532	0800003	EL	1μF		50V
C533	0240224	CD	0.1μF	±10%	25V
C534	0800087	EL	2200μF		16V
C535	0240224	CD	0.1μF	±10%	25V
C536	0800039	EL	47μF		10V
C537	0880018	PF	0.22μF	±10%	50V
C538	0800057	EL	220μF		10V
C539	0880016	PF	0.1μF	±10%	50V
C540	0880017	PF	0.15μF	±10%	50V
C541	0880017	PF	0.15μF	±10%	50V
C542	0800048	EL	100μF		10V
C543	0800048	EL	100μF		10V
C544	0800058	EL	220μF		16V
C546	0800039	EL	47μF		10V
C547	0240224	CD	0.1μF	±10%	25V
C548	0800048	EL	100μF		10V
C549	0800003	EL	1μF		50V
C601	0890102	CD	0.022μF	+80-20%	50V
C602	0890102	CD	0.022μF	+80-20%	50V
C604	0890102	CD	0.022μF	+80-20%	50V
C605	0890102	CD	0.022μF	+80-20%	50V
C606	0800087	EL	2200μF		16V
C607	0800087	EL	2200μF		16V
C608	0800048	EL	100μF		10V
C609	0890102	CD	0.022μF	+80-20%	50V
C611	0800048	EL	100μF		10V
C701	0800012	EL	4.7μF		50V
C702	0890037	CC	2200PF	±20%	16V
C802	0890043	CC	0.01μF	±20%	16V
C803	0890043	CC	0.01μF	±20%	16V
C804	0890033	CC	680PF	±10%	50V
C805	0890022	CC	100PF	±10%	50V
C806	0880049	PF	0.027μF	±10%	50V
C807	0800117	EL	4.7μF		25V
C808	0890044	CC	0.022μF	+80-20%	25V
C810	0890031	CC	470PF	±10%	50V
C816	0800109	EL	1μF		50V
C822	0240214	CD	0.015μF	±10%	25V
C823	0800144	EL	100μF		10V
C824	0800117	EL	4.7μF		25V
C825	0800144	EL	100μF		10V
C826	0230607	CD	3.9PF	±10%	50V
C827	0240068	CC	0.1μF	+80-20%	50V
C828	0240220	CD	0.047μF	±10%	25V
C829	0800144	EL	100μF		10V
C830	0890031	CC	470PF	±10%	50V
C831	0240068	CC	0.1μF	+80-20%	50V
C833	0800134	EL	33μF		10V
C834	0800144	EL	100μF		10V
C835	0240220	CD	0.047μF	±10%	25V
C836	0890042	CC	8200PF	±20%	16V
C837	0800117	EL	4.7μF		25V
C838	0800073	EL	470μF		10V
C839	0890015	CC	33PF	±5%	50V
C840	0240067	CC	0.047μF	+80-20%	50V
C841	0880057	PF	0.1μF	±10%	50V
C901	0890039	CC	4700PF	±20%	16V
C902	0240068	CC	0.1μF	+80-20%	50V
C903	0890094	CD	3300PF	±10%	25V
C904	0890094	CD	3300PF	±10%	25V
C905	0240067	CC	0.047μF	±10%	50V
C906	0252255	EL	47μF		16V
C907	0890022	CC	100PF	±10%	50V
C908	0880009	PF	0.01μF	±10%	50V
C909	0880044	PF	0.01μF	±10%	50V
C910	0890009	CC	12PF	±5%	50V
C911	0890009	CC	12PF	±5%	50V
C912	0240220	CD	0.047μF	±10%	25V
C913	0800139	EL	47μF		10V
C914	0800122	EL	10μF		16V
C915	0890043	CC	0.01μF	±20%	16V
C916	0800039	EL	47μF		10V
C917	0890043	CC	0.01μF	±20%	16V
C918	0800039	EL	47μF		10V
C919	0800039	EL	47μF		10V
C920L,R	0800117	EL	4.7μF		25V
C921L,R	0880012	PF	0.022μF	±10%	50V
C923	0800048	EL	100μF		10V
C924	0890039	CC	4700PF	±20%	16V
C925	0890043	CC	0.01μF	±20%	16V
C926L,R	0880005	PF	2200PF	±10%	50V
C927L,R	0274033	PF	2700PF	±10%	50V
C928	0890043	CC	0.01μF	±20%	16V
C929	0890043	CC	0.01μF	±20%	16V

RESISTORS:

R101	0700067	CF	100K	5%	1/16W
R102	0700067	CF	100K	5%	1/16W
R103	0700067	CF	100K	5%	1/16W
R104	0700021	CF	33	5%	1/16W
R105	0700027	CF	100	5%	1/16W
R106	0700021	CF	33	5%	1/16W
R107	0700054	CF	33K	5%	1/16W
R151	0700067	CF	100K	5%	1/16W
R152	0700067	CF	100K	5%	1/16W
R153	0700072	CF	220K	5%	1/16W
R155	0700023	CF	47	5%	1/16W
R156	0700063	CF	47K	5%	1/16W
R157	0700019	CF	27	5%	1/16W
R201	0700037	CF	560	5%	1/16W
R202	0700076	CF	470K	5%	1/16W

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SYMBOL NO.	PART NO.	DESCRIPTION				SYMBOL NO.	PART NO.	DESCRIPTION			
R203	0700041	CF	1K	5%	1/16W	R404L,R	0700047	CF	3.3K	5%	1/16W
R204	0700041	CF	1K	5%	1/16W	R405L,R	0700052	CF	6.8K	5%	1/16W
R205	0700054	CF	10K	5%	1/16W	R406L,R	0700058	CF	22K	5%	1/16W
R206	0700041	CF	1K	5%	1/16W	R407L,R	0700049	CF	4.7K	5%	1/16W
R207L,R	0700045	CF	2.2K	5%	1/16W	R408	0129551	CF	68	±5%	1/4W
R208L,R	0700053	CF	8.2K	5%	1/16W	R409	0113695	CF	2.2M	5%	1/6W
R209	0129547	CF	47	±5%	1/4W	R410L,R	0700056	CF	15K	5%	1/16W
R210	0700054	CF	10K	5%	1/16W	R431L,R	0700066	CF	82K	5%	1/16W
R211	0700054	CF	10K	5%	1/16W	R432	0700054	CF	10K	5%	1/16W
R212	0700053	CF	8.2K	5%	1/16W	R433	0129547	CF	47	±5%	1/4WW
R213	0700054	CF	10K	5%	1/16W	R451L,R	0700049	CF	4.7K	5%	1/16W
R214	0700041	CF	1K	5%	1/16W	R452L,R	0700079	CF	820K	5%	1/16W
R215	0700041	CF	1K	5%	1/16W	R453L,R	0700061	CF	33K	5%	1/16W
R216	0700058	CF	22K	5%	1/16W	R454L,R	0700061	CF	33K	5%	1/16W
R217	0700041	CF	1K	5%	1/16W	R455L,R	0700049	CF	4.7K	5%	1/16W
R218	0700054	CF	10K	5%	1/16W	R456L,R	0700049	CF	4.7K	5%	1/16W
R219	0700067	CF	100K	5%	1/16W	R457L,R	0700054	CF	10K	5%	1/16W
R220	0700054	CF	10K	5%	1/16W	R458L,R	0700046	CF	2.7K	5%	1/16W
R222	0700074	CF	330K	5%	1/16W	R459L,R	0700054	CF	10K	5%	1/16W
R301	0700067	CF	100K	5%	1/16W	R460L,R	0700045	CF	2.2K	5%	1/16W
R302	0700067	CF	100K	5%	1/16W	R461	0700034	CF	330	5%	1/16W
R303	0700058	CF	22K	5%	1/16W	R462L,R	0700061	CF	33K	5%	1/16W
R304	0700041	CF	1K	5%	1/16W	R471	0700076	CF	470K	5%	1/16W
R305	0700016	CF	15	5%	1/16W	R472	0700027	CF	100	5%	1/16W
R306	0700045	CF	2.2K	5%	1/16W	R473	0700054	CF	10K	5%	1/16W
R307	0700045	CF	2.2K	5%	1/16W	R474	0700076	CF	470K	5%	1/16W
R308	0700041	CF	1K	5%	1/16W	R475	0700029	CF	150	5%	1/16W
R309	0700041	CF	1K	5%	1/16W	R476	0700045	CF	2.2K	5%	1/16W
R310	0700069	CF	150K	5%	1/16W	R477	0700033	CF	270	5%	1/16W
R311	0700045	CF	2.2K	5%	1/16W	R478L,R	0700063	CF	47K	5%	1/16W
R312	0700045	CF	2.2K	5%	1/16W	R501L,R	0700026	CF	82	5%	1/16W
R313	0700045	CF	2.2K	5%	1/16W	R502L,R	0113227	CF	68	±5%	1/2W
R314	0700045	CF	2.2K	5%	1/16W	R530L,R	0700063	CF	47K	5%	1/16W
R315	0700054	CF	10K	5%	1/16W	R531	0700076	CF	470K	5%	1/16W
R316	0700038	CF	680	5%	1/16W	R532	0700054	CF	10K	5%	1/16W
R317	0700036	CF	470	5%	1/16W	R533	0700067	CF	100K	5%	1/16W
R318	0700067	CF	100K	5%	1/16W	R534	0700054	CF	10K	5%	1/16W
R319	0700058	CF	22K	5%	1/16W	R535	0700056	CF	15K	5%	1/16W
R320	0700058	CF	22K	5%	1/16W	R536	0700026	CF	82	5%	1/16W
R321	0700041	CF	1K	5%	1/16W	R537	0700026	CF	82	5%	1/16W
R322	0700041	CF	1K	5%	1/16W	R538	0700045	CF	2.2K	5%	1/16W
R323	0700041	CF	1K	5%	1/16W	R539	0700041	CF	1K	5%	1/16W
R324	0700041	CF	1K	5%	1/16W	R540	0700067	CF	100K	5%	1/16W
R325	0700041	CF	1K	5%	1/16W	R541	0700041	CF	1K	5%	1/16W
R326	0700041	CF	1K	5%	1/16W	R542	0700061	CF	33K	5%	1/16W
R327	0700041	CF	1K	5%	1/16W	R601	0700036	CF	470	5%	1/16W
R328	0700052	CF	6.8K	5%	1/16W	R602	0700027	CF	100	5%	1/16W
R329	0700081	CF	1M	5%	1/16W	R603	0700027	CF	100	5%	1/16W
R330	0700067	CF	100K	5%	1/16W	R604	0700024	CF	56	5%	1/16W
R332	0700025	CF	68	5%	1/16W	R701	0700041	CF	1K	5%	1/16W
R333	0700067	CF	100K	5%	1/16W	R702	0700063	CF	47K	5%	1/16W
R334	0700076	CF	470K	5%	1/16W	R703	0700041	CF	1K	5%	1/16W
R335	0700052	CF	6.8K	5%	1/16W	R704	0700041	CF	1K	5%	1/16W
R336	0700081	CF	1M	5%	1/16W	R801	0700027	CF	100	5%	1/16W
R401L,R	0700067	CF	100K	5%	1/16W	R802	0700045	CF	2.2K	5%	1/16W
R402L,R	0700026	CF	82	5%	1/16W	R803	0700014	CF	10	5%	1/16W
R403L,R	0700055	CF	12K	5%	1/16W	R805	0700058	CF	22K	5%	1/16W

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SYMBOL NO.	PART NO.	DESCRIPTION
R806	0700069	CF 150K 5% 1/16W
R807	0700054	CF 10K 5% 1/16W
R808	0700054	CF 10K 5% 1/16W
R809	0700055	CF 12K 5% 1/16W
R810	0700056	CF 15K 5% 1/16W
R811	0700051	CF 5.6K 5% 1/16W
R812	0700047	CF 3.3K 5% 1/16W
R813	0700058	CF 22K 5% 1/16W
R814	0700054	CF 10K 5% 1/16W
R815	0113689	CF 1.2M 5% 1/6W
R816	0700039	CF 820 5% 1/16W
R817	0700039	CF 820 5% 1/16W
R818	0700067	CF 100K 5% 1/16W
R819	0700045	CF 2.2K 5% 1/16W
R820	0700048	CF 3.9K 5% 1/16W
R821	0700057	CF 18K 5% 1/16W
R822	0700049	CF 4.7K 5% 1/16W
R823	0700054	CF 10K 5% 1/16W
R824	0700054	CF 10K 5% 1/16W
R826	0700068	CF 120K 5% 1/16W
R827	0700051	CF 5.6K 5% 1/16W
R829	0700058	CF 22K 5% 1/16W
R831	0700048	CF 3.9K 5% 1/16W
R832	0700041	CF 1K 5% 1/16W
R833	0700034	CF 330 5% 1/16W
R834	0700043	CF 1.5K 5% 1/16W
R836	0700049	CF 4.7K 5% 1/16W
R837	0700023	CF 47 5% 1/16W
R838	0700059	CF 27K 5% 1/16W
R839	0700027	CF 100 5% 1/16W
R840	0700051	CF 5.6K 5% 1/16W
R841	0700048	CF 3.9K 5% 1/16W
R842	0700064	CF 56K 5% 1/16W
R843	0700047	CF 3.3K 5% 1/16W
R845	0700045	CF 2.2K 5% 1/16W
R901	0700067	CF 100K 5% 1/16W
R902	0700063	CF 47K 5% 1/16W
R904	0700063	CF 47K 5% 1/16W
R905	0700058	CF 22K 5% 1/16W
R906	0700049	CF 4.7K 5% 1/16W
R907	0700043	CF 1.5K 5% 1/16W
R908	0700023	CF 47 5% 1/16W
R911	0700054	CF 10K 5% 1/16W
R912	0700063	CF 47K 5% 1/16W
R913	0700072	CF 220K 5% 1/16W
R914	0113695	CF 2.2M 5% 1/6W
R915	0700061	CF 33K 5% 1/16W
R916	0700041	CF 1K 5% 1/16W
R917	0700054	CF 10K 5% 1/16W
R919L,R	0700045	CF 2.2K 5% 1/16W
R920L,R	0700041	CF 1K 5% 1/16W
R921L,R	0700081	CF 1M 5% 1/16W
R922L,R	0700049	CF 4.7K 5% 1/16W
R924L,R	0700049	CF 4.7K 5% 1/16W
R925	0700058	CF 22K 5% 1/16W
R926	0700058	CF 2K 5% 1/16W
R927	0700063	CF 47K 5% 1/16W

SYMBOL NO.	PART NO.	DESCRIPTION
R931	0700045	CF 2.2K 5% 1/16W
R932	0700058	CF 22K 5% 1/16W
R933	0700058	CF 22K 5% 1/16W
R934	0700058	CF 22K 5% 1/16W
R935	0700058	CF 22K 5% 1/16W
R936	0700058	CF 22K 5% 1/16W
R937	0700058	CF 22K 5% 1/16W
R938	0700063	CF 47K 5% 1/16W
R939	0700063	CF 47K 5% 1/16W
R940L,R	0700067	CF 100K 5% 1/16W
R944	0700041	CF 1K 5% 1/16W
ICS:		
IC101	CP00041	IC KA22495
IC201	2000781	IC TA8132AN
IC301	CZ00041	IC TC9309F-106
IC401	2020091	IC AN7316
IC501	2020101	IC TA8229K
IC531	2020101	IC TA8229K
IC801	CK00061	IC TA8191F
IC802	CK00072	IC KA9258
IC901	CZ00031	IC TC9236AF
IC902	CP00151	IC TC9250F
TRANSISTORS:		
Q151	2319071	TR TRS-HIT9016G
Q201	2329323	TR TRS-2SC460C
Q202	2318303	TR TRS-2SC1740S(S)
Q301	2319091	TR TRS-HIT9014NC
Q302	2319091	TR TRS-HIT9014NC
Q303	2319071	TR TRS-HIT9016G
Q304	2318292	TR TRS-2SA933S(R)
Q305	2318292	TR TRS-2SA933S(R)
Q306	2318303	TR TRS-2SC1740S(S)
Q307	2318303	TR TRS-2SC1740S(S)
Q431	2317782	TR TRS-2SC2235Y
Q451L,R	2318303	TR TRS-2SC1740S(S)
Q471	2319091	TR TRS-HIT9014NC
Q472	2319091	TR TRS-HIT9014NC
Q531	2319091	TR TRS-HIT9014NC
Q532	2319052	TR TRS-HIT8050C
Q533	2318293	TR TRS-2SA933S(S)
Q601	2319052	TR TRS-HIT8050C
Q602	2319062	TR TRS-HIT5609C
Q701L,R	2319052	TR TRS-HIT8050C
Q801	2318292	TR TRS-2SA933S(R)
Q802	2319152	TR TRS-HIT5610C
Q803	2318292	TR TRS-2SA933S(R)
Q901L,R	2318303	TR TRS-2SC1740S(S)
Q903	2318292	TR TRS-2SA933S(R)
Q904	2318303	TR TRS-2SC1740S(S)
DIODES:		
D101	2398921	DI IN4531
D102	2398921	DI IN4531
D103	2349713	VCD KV-1330NT
D104	2349713	VCD KV-1330NT
D151	2349702	VCD KV-1550NT

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SYMBOL NO.	PART NO.	DESCRIPTION
D201	2398921	DI IN4531
D202	2398921	DI IN4531
D203	2398921	DI IN4531
D204	2398921	DI IN4531
ZD301	2331797	ZD HZ5C1
D304	2398921	DI IN4531
D305	2398921	DI IN4531
D306	2398921	DI IN4531
D307	2398921	DI IN4531
D308	2398921	DI IN4531
D309	2398921	DI IN4531
D310	2398921	DI IN4531
D311	2398921	DI IN4531
D312	23390342	LED SLR34MG5
D313	23390312	LED SLR34UR5
D314	2397311	LED TLR208
D601	2398823	DI RL253
ZD601	2331807	ZD HZ6C1
D602	2398823	DI RL253
ZD602	2331826	ZD HZ9B3C801 0800144 EL
D603	2398823	DI RL253
D604	2398823	DI RL253
VARIABLE CAPACITOR:		
CT101	0281474	TRIMMER CAP 10P
CT151	0281474	TRIMMER CAP 10P
CT152	0281476	TRIMMER CAP 30P
VARIABLE RESISTORS:		
RV451L,R	0167398	VR 100K
RV452L,R	0167398	VR 100K
RV453L,R	0167396	VR 20K
RV471	0157811	VR 10K
RT802	0160325	RT6-3H104
TRANSFORMERS:		
T201	2137882	FM IFT
T202	2137717	AM IFT
T431	2275441	REC. OSC. COIL
FUSES:		
⚠ F602	2728076	FUSE T2A
COILS:		
L101	2137688	FM RF COIL
L102	2137688	FM OSC COIL
L103	2227721	CHOKE COIL 0.45µH
L152	2137711	MW OSC COIL
L153	2137634	LW OSC COIL
L302	2227905	CHOKE COIL 10µH
L303	2137684	CHOKE COIL 0.45µH
L401L,R	2228613	CHOKE COIL 33mH
L801	2227877	100µH
L901	2227721	0.45µH
MISCELLANEOUS:		
CF201	2134982	CERAMIC FILTER 10.7MHz
CF202	2155494	CERAMIC FILTER 450KHz
CF203	2138142	CERAMIC FILTER 10.7MHz

SYMBOL NO.	PART NO.	DESCRIPTION
CF204	2138133	CERAMIC FILTER 457KHz
LCD301	DB00001	LCD E5753-2
S201	2629366	LEVER SWITCH
S202	2622523	SLIDE SWITCH
S301	2639684	TACT SWITCH
S302	2639684	TACT SWITCH
S303	2639684	TACT SWITCH
S304	2639684	TACT SWITCH
S305	2639684	TACT SWITCH
S306	2639684	TACT SWITCH
S307	2639684	TACT SWITCH
S308	2639684	TACT SWITCH
S309	2639684	TACT SWITCH
S401	2629366	LEVER SWITCH
S402	2628826	SLIDE SWITCH
S531	2600832	PUSH SWITCH
S602	2629262	SLIDE SWITCH
S801	2639154	SW-PU1-2
X301	27803822	CRYSTAL 7.2MHz
X901	2789821	CRYSTAL(8.467KHz)
JK471	2672711	MIC JACK
JK501	2678761	HP JACK
⚠PT601	2216085	POWER TRANSFORMER
PR602	2726222	IC PROTECTOR 0.4A
CH302	2674749	12P CABLE HOLDER
CH806	2674591	3P CABLE HOLDER
CN301	2975967	4P TSB CONNECTOR
CN303	2975968	3P TXL CONNECTOR
CN451	2975966	6P TXL CONNECTOR
CN601	2711818	4P TSB CONNECTOR
⚠PC601	2972565	POWER CORD
⚠PG652	2689463	2P TERMINAL
PN302	2674749	12P CABLE HOLDER
PN304	2674736	9P WIRE TRAP
PN807	2674602	4P WIRE TRAP
U301	CW00006	REMOTE RECEIVER
CP901L,R	2138011	LPF
CABINET CHASSIS:		
1	UX00122	FRONT CASE ASSY FOR S [E]
	UX00127	FRONT CASE ASSY FOR S [E(GR)]
2	2403698	SPEAKER 10
3	2403848	SPEAKER 12
4	4578972	3 x 10 BT FLANGE SCREW
5	4476662	ANT TERMINAL
6	8691410	3 x 10 BT SCREW
7	3815801	DAMPER ASSY
8	3335551	EJECT SPRING
9	3335571	CD OPEN SPRING L
10	3335581	CD OPEN SPRING R
11	UX00142	TOP PANEL ASSY FOR S [E]
	UX00147	TOP PANEL ASSY FOR S [E(GR)]
12	4577816	3 x 20 BT SCREW
13	4899362	CD LID ASSY [for E(GR)]
	4899363	CD LID ASSY [for E]
14	4899371	CASSETTE LID ASSY [for E(GR)]
	4899372	CASSETTE LID ASSY [for E]

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SYMBOL NO.	PART NO.	DESCRIPTION
15	NJ00121	LCD HOLDER
16	2757904	ROD ANTENNA
17	4567433	3 x10 DT SCREW
18	8671105	2 x 5 DT SCREW
19	4624321	FLOAT RUBBER A
20	4624331	FLOAT RUBBER B
21	8699410	3 x 10 BT SCREW (BC)
22	3273591	CASSETTE BUTTON
23	3857823	SPACER A
24	3375561	CASSETTE MECHA ASSY
25	3875771	PUSH LOCK
26	4491531	REC LEVER
27	3273541	SLIDE KNOB
28	3272691	LEVEL KNOB
29	3273531	3D BUTTON
30	4006738	HANDLE ASSY
31	4577832	3 x 10 BT FLAT HEAD SCREW
32	3821193	BATTERY LID [for E(GR)]
	3821191	BATTERY LID [for E]
33	3273521	CD BUTTON
34	UX00162	REAR CASE ASSY FOR S [E]
	UX00167	REAR CASE ASSY FOR S [E(GR)]
35	3369782	BATTERY SPRING
36	4436666	TERMINAL
37	3369849	CP SPRING
38	4578976	3 x 20 BT SCREW
	HL00031	REMOTE CONTROL (RB-250)
CASSETTE CHASSIS:		
1	3375561	CASSETTE MECHA ASSY
2	3375441	P/ROLLER ARM ASSY (3-0083-177)
3	3375442	FWD REEL (B) ASSY (3-0083-240)
4	3375443	FR ARM ASSY (3-0083-202)
5	3375444	PLAY ARM ASSY (3-0083-214)
6	3375445	SUB BELT (1-0083-511)
7	3375465	MAIN BELT (B) (1-0080-525)
8	3375469	E HEAD (1-0083-749)
9	3375468	R/P HEAD (1-0083-781)
10	3375466	MOTOR (1-0083-740)
11	3375467	MOTOR PULLEY (1-0080-232)
12	3375452	LEAF SW (START) (1-0083-742)
13	4531821	SCREW ST#1 (M2X7) (1-0080-521)
14	3375454	PAUSE LEVER (F) (1-0083-123)
15	3375455	BUTTON CASE ASSY (3-0083-201)
16	3375456	PLAY LEVER (STD#F) (1-0083-179)
17	3375457	REC LEVER (F) (1-0083-128)
18	3375464	EJECT HOOK (B) (1-0083-222)
19	3375459	REW REEL (1-0083-241)
20	3375461	REW BT SPG (1-0083-409)
21	3375462	REW REEL WASHER (1-0083-508)
22	3375463	LMW-S (3.6 X 1.2 X 0.35) (1-0080-566)
23	4490811	CASSETTE BUTTON BRACKET
24	4503881	BUTTON SHAFT (S) (1-0061-311)
CD MECHA CHASSIS:		
1	3372401	UNIT MECHA ASSY
2	3378771	GUIDE SHAFT
3	3378772	COMPRESSION SPRING
4	3378773	CENTER RING
5	3378775	GEAR
6	3378776	CD CHASSIS ASSY (WITH DISK MOTOR)
7	3378777	SLIDE MOTOR ASSY
8	3378778	PC BOARD
9	3378779	LEAF SWITCH
10	3378781	6P PLUG
11	8711103	PAN HEAD SCREW(2x3)